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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/554,256	12/14/2005	Holger Thielert	THIELERT 7 PCT	3138
25889 7590 06/06/2007 WILLIAM COLLARD			EXAMINER	
COLLARD &	ROE, P.C.		UPTON, CHRISTOPHER	
1077 NORTHERN BOULEVARD ROSLYN, NY 11576			ART UNIT	PAPER NUMBER
			1724	
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
	10/554,256	THIELERT, HOLGER				
Office Action Summary	Examiner	Art Unit				
	Christopher Upton	1724				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLEWHICHEVER IS LONGER, FROM THE MAILING ID. - Extensions of time may be available under the provisions of 37 CFR 1, after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory points after to reply within the set or extended period for reply will, by stature Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATION 136(a). In no event, however, may a reply be tin I will apply and will expire SIX (6) MONTHS from te, cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 2a) This action is FINAL . 2b) This action is application is in condition for allowed closed in accordance with the practice under	s action is non-final. ance except for formal matters, pro					
Disposition of Claims						
4) Claim(s) 1-9 is/are pending in the application. 4a) Of the above claim(s) is/are withdra 5) Claim(s) is/are allowed. 6) Claim(s) 1-9 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/a	awn from consideration.					
Application Papers						
9) The specification is objected to by the Examin 10) The drawing(s) filed on is/are: a) acceptable and applicant may not request that any objection to the Replacement drawing sheet(s) including the correct should be shown to b	cepted or b) objected to by the Ee drawing(s) be held in abeyance. See ction is required if the drawing(s) is obj	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s)	и п					
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal Pa 6) Other:	ite				

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1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1-3 and 5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Cote et al (2002/0020666).

Cote discloses a membrane bioreactor with both nitrification and denitrification occurring, as claimed. While the reference does not state that it is for coke oven waste water, it is submitted that the source of the wastewater fails to patentably distinguish over the reference, as the process may obviously be used for any wastewater.

3. Claim 1 is rejected under 35 U.S.C. 103(a) as being unpatentable over Onishi et al.

Onishi discloses a membrane bioreactor with both nitrification and denitrification occurring, as claimed. While the reference does not state that it is for coke oven waste water, it is submitted that the source of the wastewater fails to patentably distinguish over the reference, as the process may obviously be used for any wastewater.

4. Claims 1 and 8 are rejected under 35 U.S.C. 103(a) as being unpatentable over the Brindle et al article.

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Brindle discloses a membrane bioreactor with both nitrification and denitrification occurring, and with temperature control, as claimed. While the reference does not state that it is for coke oven waste water, it is submitted that the source of the wastewater fails to patentably distinguish over the reference, as the process may obviously be used for any wastewater.

5. Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over the references as applied to claim 1 above, and further in view of Okey, Mouchet or Davis.

Claim 4 differs from claim 1 in regulation of the air flow in response to a measured parameter. This is well known in wastewater treatment systems, as exemplified by Okey, Mouchet and Davis, and would therefore have been an obvious addition to the references applied to claim 1, to optimize the treatment process.

6. Claims 6 and 9 are rejected under 35 U.S.C. 103(a) as being unpatentable over the references as applied to claims 1 and 3 above, and further in view of Dempsey or Okey.

Claim 6 differs from claim 1 in recitation of regulation of the water flow in response to a sensed parameter. Claim 9 is an independent claim essentially combining the limitations of claims 1, 3 and 6. Regulation of the flow through a bioreactor is well known in wastewater treatment systems, as exemplified by Okey and Dempsey, and would therefore have been an obvious addition to the references applied to claims 1 and 3, to optimize the treatment process.

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7. Claim 7 is rejected under 35 U.S.C. 103(a) as being unpatentable over the references as applied to claim 1 above, and further in view of Cote et al (5,932,099) or Whiteman.

Claim 7 differs from claim 1 in recitation of a preliminary chemical precipitation step. This is well known in wastewater treatment systems, as exemplified by Cote and Whiteman, and would therefore have been an obvious addition to the process of claim 1, depending on the characteristics of the wastewater to be treated.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher Upton whose telephone number is 571-272-1169. The examiner can normally be reached on 7:30-5:00, off every other Monday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Duane Smith can be reached on 571-272-1166. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Christopher Upton Primary Examiner Art Unit 1724